What is claimed is :

1. A color space quantization descriptor structure for performing quantization of a color space in order to search a multimedia based on contents, in which quantization description information of the color space has a tree structure divided into a plurality of superior color spaces and subordinate color spaces when color information is described as the information representing a feature of an image.

2. The color space quantization descriptor structure according to claim 1, wherein the quantization description information represents one color space and further comprises a plurality of subordinate color spaces recurrently.

3. The color space quantization descriptor structure according to claim 1, wherein the quantization description information comprises information for representing uniform quantization or non-uniform quantization of the subordinate color spaces.

4. The color space quantization descriptor structure according to claim 1, wherein the subordinate color space structure of the quantization description information constitutes a certain set of consecutive color spaces.

5. The color space quantization descriptor structure according to claim 4, wherein the subordinate color space structure of the quantization description information performs a scalable quantization description in order of

volume of limit range of the color spaces within the certain set.

6.   The color space quantization descriptor structure according to claim 1, wherein the quantization description information further comprises uniform quantization description information for describing uniform quantization of subordinate color space and non-uniform quantization description information for describing non-uniform quantization of the subordinate color space.

7.   A color space quantization descriptor structure for performing quantization of a color space in order to search a multimedia based on contents, comprising :

quantization description information of a color space having a tree structure dividing the color space into a plurality steps of superior color spaces and subordinate color spaces; and

quantization type information for representing uniform quantization or non-uniform quantization when color information is described as the information representing a feature of an image in order to search a multimedia based on contents.

8.   The color space quantization description information according to claim 7, wherein the quantization description information of the color space further comprises information for representing the number of components constituting the color space.

9.   The color space quantization descriptor structure according to

claim 7, wherein the quantization description information of the color space further comprises information for representing the limit range of the each divided color space.

10.   The color space quantization descriptor structure according to claim 7, wherein the quantization description information of the color space further comprises information for representing the division number of the color space when the uniform quantization is represented.

11.   The color space quantization descriptor structure according to claim 9 ~~or 10~~, wherein the information for representing the limit range of the color space and information for representing the division number of the uniform quantization color space further comprise information for representing the pertinent axis of the color space.

12.   The color space quantization descriptor structure according to claim 11, wherein the information for representing the limit range of the color space and information for representing the division number of the uniform quantization color space are described as the number more than 1 and less than the component number.

13.   A color space quantization descriptor structure for performing quantization of a color space in order to search a multimedia based on contents, in which quantization description information of the color space has a tree structure divided into a plurality of superior color spaces and subordinate color spaces when

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color information is described as the information representing a feature of an image, describes number of the subordinate color space, comprises information for describing uniform quantization and information for describing non-uniform quantization, wherein the information for describing the uniform quantization

5 describes number of bin and the information for describing the non-uniform quantization describes a boundary value of the subordinate color space.

14. The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space

10 further comprises information for describing number of component constituting the color space.

15. The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space

15 further comprises information for describing boundaries between the divided color spaces.

16. The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space

20 further comprises information for describing division number of the color space when the uniform quantization is described.

17. The color space quantization descriptor structure according to claim 15 or 16, wherein the information for describing the boundaries between the

25 divided color spaces and information for describing the division number of the

uniformly divided color spaces further comprise information for describing the pertinent axis of the color space.

18.   The color space quantization descriptor structure according to claim 17, wherein the information for describing the boundaries between the divided color spaces e and information for describing the division number of the uniformly divided color spaces are described as the number more than 0 and not greater than the component number.